

MSc Environmental Sciences

Specialisation in: Environmental Monitoring and Pollution Assessment (ES I)

1. Semester

2. Semester

3. Semester

4. Semester

EAS 5 CP
Environmental System Analysis
MA6ES001

S2 5 CP
Multivar. Statistics (II)
MA6ES002

EMS 5 CP
Environmental Monitoring Strategies
MA6ES005

FE5 5 CP
Fundamentals of Environm. Rem.Sens.
MA6ES006

ABL 5 CP
Atmospheric Boundary Layer
MA6ES007

GHM 5 CP
Geological Hazards and Management
MA6ES008

BK5 5 CP
Advanced Aspects of Environ. Soil Science
MA6ES009

20 CP

CH4 5 CP
Environmental Chemistry
MA6ES010

MWQ 5 CP
Aquatic Pollution Assessment
MA6ES012

SBF 5 CP
Soil Biology & Soil Functioning
MA6ES028

EXC 5 CP
Interdis. Excursion or Field Project
MA6ES029

PSR 5 CP
Polluted Site Remediation
MA6ES025

VE 5 CP
Vegetation Ecology
MA6ES031

EAC 5 CP
Environ. analytical Chemistry
MA6ES011

RBP
Regional Biomonitoring Project
MA6ES013

FE6
Advanced RS Data Processing & Analysis
MA6ES016

SPM 5 CP
Phys. Monitoring of Litho- & Hydrosphere
MA6ES030

LSI 5 CP
Landsurface Atmosphere Interactions
MA6ES022

SC 5 CP
Sustainable Chemistry
MA6ES032

10 CP

EP 5 CP
Ecotoxic Effects of Environm. Pollutants
MA6ES014

GEOS 5 CP
GeoStatistik
MA6ES033

SUM 5 CP
Soil Use & Sustainable Management
MA6ES027

GCC 5 CP
Global Climate Change & Energy Resources
MA6ES036

10 CP

RP
Research Project
MA6ES003

FST 5 CP
Fluvial Systems
MA6ES034

PEC 5 CP
Paleoclimate & Palaeoenvironment
MA6ES035

15 CP

30 CP

MAS
Masterarbeit
MA6ES004

Summe 30 CP

30 CP

30 CP

30 CP

Compulsory Modules

Optional Modules of 1st semester

Optional Modules


interdisciplinary Module

MSc Environmental Sciences

Specialisation in: Environmental Remote Sensing and Modelling (ES II)

| 1. Semester | 2. Semester | | 3. Semester | | 4. Semester |
|---|--|--|---|---|--|
| EAS 5 CP Environmental System Analysis MA6ES001 S2 5 CP Multivar Statistics (II) MA6ES002 EMS 5 CP Environmental Monitoring Strategies MA6ES005 FE5 5 CP Fundamentals of Environm. Rem.Sens. MA6ES006 ABL 5 CP Atmospheric Boundary Layer MA6ES007 GHM 5 CP Geological Hazards and Management MA6ES008 BK5 5 CP Advanced Aspects of Environ. Soil Science MA6ES009 20 CP | GSDA Geospatial Data Analysis MA6ES015 20 CP | FE6 5 CP Advanced RS Data Processing & Analysis MA6ES016 ERM 5 CP Ecosystem Rem. Sens.& Modelling Concepts Terrestrial Forest Inventory Strategies MA6ES018 Environmental Remote Sensing 20 CP | NEU 5 CP Remote Sensing of Global Change Processes MA6ES017 5 CP NNM 5 CP Numerical Modelling in Meteorology Dynamics Applications MA6ES020 LSI 5 CP Landsurface Atmosphere Interactions MA6ES022 SVT 5 CP SVAT-Models & Integr.of RS Data MA6ES023 EMRE Envir. Management & Resource Economics MA6ES026 NC 5 CP Nature Conservation, Restoration & Protection MA6ES024 10 CP Optional Modules | 10 CP RP Research Project MA6ES003 10 CP RP Research Project MA6ES003 20 CP Environmental Meteorology | 30 CP MAS Masterarbeit MA6ES034 |
| | AVS 5 CP Vegetation Ecology MA6ES031 EXC 5 CP Interdis. Excursion or Field Project MA6ES029 M2 5 CP Numerik für Geowissenschaftler MA6ES037 10 CP | 10 CP Optional Modules | GCC 5 CP Global Climate Change & Energy Resources MA6ES036 5 CP 5 CP 5 CP 5 CP 5 CP 10 CP | 30 CP 20 Pflicht | 30 CP 20 Pflicht |
| Summe 30 CP | 30 CP 20 Pflicht | 30 CP 20 Pflicht | 30 CP | 30 CP | 30 CP |

 **Compulsory Modules**

 **Compulsory Modules Environmental Remote Sensing**
 **Compulsory Modules Environmental Meteorology**

 **Optional Modules**

 **interdisciplinary Module**

MSc Environmental Sciences

Specialisation in: Environmental Conservation and Restoration Management (ES III)

| 1. Semester | 2. Semester | 3. Semester | 4. Semester |
|--|---|---|---|
| <p>EAS 5 CP Environmental System Analysis MA6ES001</p> <p>S2 5 CP Multivar Statistics (II) MA6ES002</p> | <p>NC 5 CP Nature Conservation, Restoration & Protection MA6ES024</p> <p>PSR 5 CP Polluted Site Remediation MA6ES025</p> | <p>5 CP EMRE 5 CP Envir. Management & Resource Economics MA6ES026</p> <p>SUM 5 CP Soil Use & Sustainable Management MA6ES027</p> | <p>10 CP</p> <p>RP Research Project MA6ES003</p> <p>30 CP</p> |
| <p>EMS 5 CP Environmental Monitoring Strategies MA6ES005</p> <p>FE5 5 CP Fundamentals of Environm. Rem.Sens. MA6E"006</p> <p>ABL 5 CP Atmospheric Boundary Layer MA6ES007</p> <p>GHM 5 CP Geological Hazards and Management MA6ES008</p> <p>BK5 5 CP Advanced Aspects of Environ. Soil Science MA6ES009</p> <p>wähle 4 aus 5</p> | <p>VE 5 CP Vegetation Ecology MA6ES031</p> <p>MWQ 5 CP Aquatic Pollution Assessment MA6ES012</p> <p>FE6 5 CP Advanced RS Data Processing & Interpret. MA6ES016</p> <p>EAC 5 CP Environ. analytical Chemistry MA6ES011</p> <p>SPM 5 CP Phys. Monitoring of Litho- & Hydrosphere MA6ES030</p> <p>15 CP</p> | <p>SC 5 CP Sustainable Chemistry MA6ES032</p> <p>SBF 5 CP Soil Biology & Soil Functioning MA6ES028</p> <p>5 CP ERM 5 CP Ecosystem Remote Sensing & Modelling Concepts Terrestrial Forest Inventory Strategies MA6ES018</p> <p>CH4 5 CP Environmental Chemistry MA6ES012</p> <p>EXC 5 CP Interdis. Excursion or Field Project MA6ES029</p> <p>10 CP</p> | <p>EP 5 CP Ecotoxic Effects of Environm. Pollutants MA6ES014</p> <p>PEC 5 CP Paleoclimate & Paleoenvironment MA6ES035</p> <p>BGW 5 CP Bodenerosion unter Globalem Wandel MA6ES040</p> <p>GEOS 5 CP GeoStatistik MA6ES033</p> <p>GCC 5 CP Global Climate Change & Energy Resources MA6ES036</p> <p>FST 5 CP Fluvial systems MA6ES034</p> <p>EL 5 CP European Environmental Law MA6ES039</p> <p>MAS Masterarbeit MA6ES004</p> |
| <p>Summe 30 CP</p> | <p>30 CP</p> | <p>30 CP</p> | <p>30 CP</p> |

 Compulsory Modules

 Optional Modules of 1st sem.

 Optional Modules

 interdisciplinary Module